Figure 1 (a) The observed monthly rainfall (mm/day) for June, July, and August, (b) monthly rainfall from WRF coupled with NOAH, (c) monthly rainfall from WRF coupled with NOAH, but the root water uptake factor is modified according to the method described in the text, and (d) monthly rainfall from WRF with NOAH but both SWF and IVC are included.
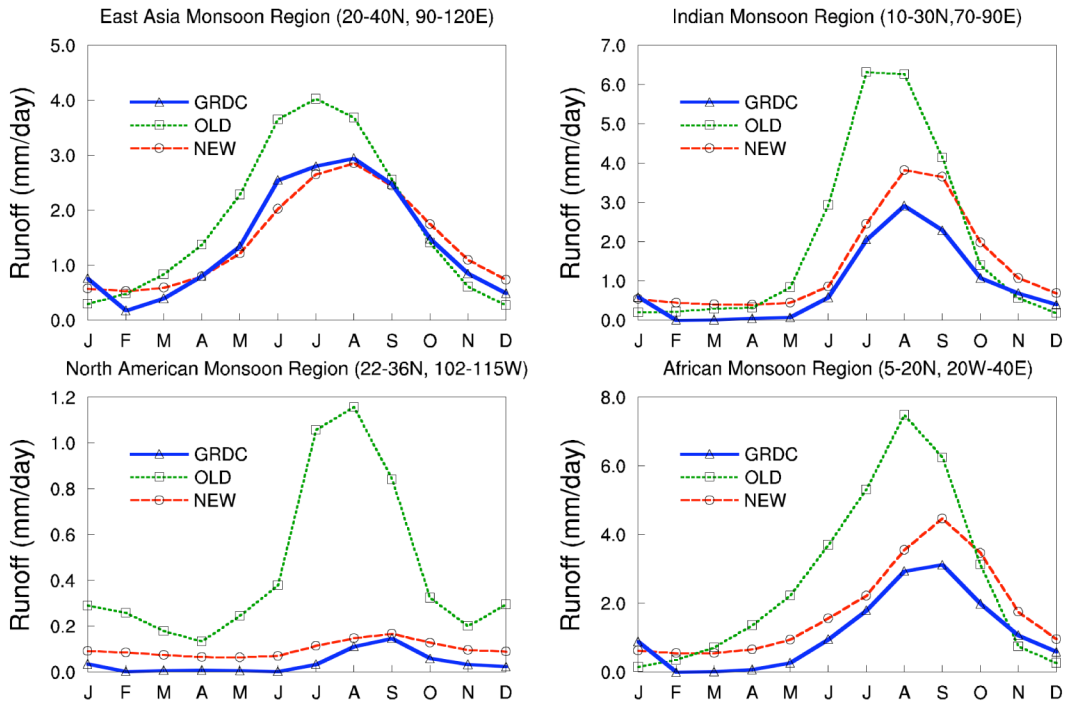
Figure 2. Simulated runoff from SIMPTOP (NEW) and from the baseline runoff scheme in the NCAR CLM (OLD) is compared to the GRDC (Global Runoff Data Center) runoff in four main monsoon regions.